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Docket No.: 10884-00021-US
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Arthur D. Ballard et al.

Application No.: 10/824977

Confirmation No.: 7542

Filed: April 14, 2004

Art Unit: N/A

For: DELIVERY SYSTEMS OF
HOMOGENEOUS, THERMOREVERSIBLE
LOW VISCOSITY POLYMANNAN GUM
FILMS

Examiner: Not Yet Assigned

INFORMATION DISCLOSURE STATEMENT (IDS)

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits as far as is known to the undersigned (37 CFR 1.97(b)(3)).

Applicant has not submitted copies of each cited U.S. patent and U.S. patent application as required by 37 CFR 1.98(a)(2)(i), amended October 2004, as the U.S. Patent and Trademark Office has waived this requirement for all U.S. patent applications. Applicant submits herewith copies of foreign and non-patents in accordance with 37 CFR 1.98(a)(2).

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 03-2775, under Order No. 10884-00021-US. A duplicate copy of this paper is enclosed.

Dated: *November 8, 2005*

Respectfully submitted,

By *Liza D. Hohenschutz*
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PTO/SB/08a/b (07-05)

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Substitute for form 1449A/B/PTO			Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>			Application Number	10/824977-Conf. #7542	
			Filing Date	April 14, 2004	
			First Named Inventor	Arthur D. Ballard	
			Art Unit	N/A	
			Examiner Name	Not Yet Assigned	
Sheet	1	of	4	Attorney Docket Number	10884-00021-US

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	AA	2,802,000	8/6/1957	Caldwell et al.	
	AB	2,813,093	11/12/1957	Caldwell et al.	
	AC	2,825,727	3/4/1958	C. G. Caldwell	
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Examiner Signature		Date Considered	
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Sheet	2	of	4	Attorney Docket Number	10884-00021-US

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	ABU	5,811,388	9/22/1998	Friend et al.	
	ABV	5,817,323	10/6/1998	Hutchinson et al.	
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	ACU	2005/0163833	7/28/2005	R. Muller	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ^o
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	BA	EP 0 169 319	1/29/1986	Berwind Pharmaceutical Services, Inc.		
	BB	EP 0 400 484	12/5/1990	Mitsubishi Rayon Co., LTD		
	BC	EP 0 408 503	1/16/1991	Warner-Lambert Company		
	BD	EP 0 409 781	1/23/1991	Warner-Lambert Company		
	BE	EP 0 409 782	1/23/1991	Warner-Lambert Company		
	BF	EP 0 409 788	1/23/1991	Warner-Lambert Company		
	BG	EP 0 471 558	2/19/1992	Unilever NV		
	BH	EP 0 547 551	6/23/1993	National Search and Chemical Investment Holding Corporation		
	BI	EP 0 606 486	7/20/1994	Teijin Limited		
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	BL	EP 0 761 691	3/12/1997	National Search and Chemical Investment Holding Corporation		

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	BM	JP 5-4914	1/14/1993	Asahi Chemical Ind; Fuji Capsule KK		
	BN	JP 7-196478	8/1/1995	Sugii Hajime		
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	BQ	WO 99/07347	2/18/1999	Paris, Laurence		
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	BT	WO 01/37817	5/31/2001	Greither, Peter		
	BU	WO 01/91721	12/6/2001	A.E. Staley Manufacturing Co.		

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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	CA	de Vries J., "Interaction of carrageenan with other ingredients in dairy dessert gels", Gums and stabilisers for the food industry 11: proceedings of the 11th conference, Wrexham, vol. 11 (2002), no. -, pages 201-210, July 2001	
	CB	R. Falshaw et al., "Structure and performance of commercial K-2 carrageenan extracts", Food Hydrocolloids, vol. 17, pages 129-139, 2003	
	CC	FMC BioPolymer, "Carrageenan Matrices for Entrapment", Issue No. 1, April 1993	
	CD	Henry J. Witt, "Carrageenan Nature's Most Versatile Hydrocolloid", pages 347-360, 1985	
	CE	Glicksman, M., "Gum Technology in the Food Industry", Academic Press, pages 213-228, 1969	
	CD	C. J. Lawson et al., "Carrageenans", J.C.S. Perkin I, pages 2177-2182, 1973	
	CE	H. J. Bixler, "Recent developments in manufacturing and marketing carrageenan", Hydrobiologia, pages 35-57, 1996	
	CF	M. C. Matulewicz et al., "Carrageenan Systems from Tetrasporic or Cystocarpic Stages of Gigartina Skottsbergii", Phytochemistry, vol. 28, pages 2937-2941, 1989	
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	CH	C. Rochas et al., "Relation Between the Molecular Structure and Mechanical Properties of Carrageenan Gels", Carbohydrate Polymers, vol. 10, pages 115-127, 1989	
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